SEQUENCE LISTING

<110> Yue, Henry
Corley, Neil C.
Guegler, Karl J.
Gorgone, Gina A.
Baughn, Mariah R.

<120> CELL SURFACE GLYCOPROTEINS

<130> PF-0631 US

<140> To Be Assigned
<141> Herewith

<160> 6

<170> PERL Program

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<212> PRT
<213> Homo sapiens

<220> -
<223> 2297891

<400> 1

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Leu Met His Ala Arg Gly Gln Arg Asp Phe Asp Leu Ala Asp Ala
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Leu Asp Asp Pro Glu Pro Thr Lys Lys Pro Asn Ser Asp Ile Tyr
             35                  40                  45
Pro Lys Pro Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp
             50                  55                  60
Ser Gly Gly Asn Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro
             65                  70                  75
Gln Pro Gly Asn Ser Gly Asn Ser Gly Gly Tyr Phe Asn Asp Val
             80                  85                  90
Asp Arg Asp Asp Gly Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro
             95                 100                 105
Pro Ala G1y Gly Gly Gly Gly Gly Tyr Ser Ser Tyr Gly Asn Ser
            110                 115                 120
Asp Asn Thr His Gly Arg Gly Gly Tyr Arg Pro Asn Ser Arg Tyr
            125                 130                 135
Gly Asn Thr Tyr Gly Gly Asp His His Ser Thr Tyr Gly Asn Pro
            140                 145                 150
Glu Gly Asn Met Val Ala Lys Ile Val Ser Pro Ile Val Ser Val
            155                 160                 165
Val Val Val Thr Leu Leu Gly Ala Ala A1a Ser Tyr Phe Lys Leu
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Asn Asn Arg Arg Asn Cys Phe Arg Thr His Glu Pro Glu Asn Val
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<223> 2705267

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Leu Ala Gln Pro Ala Ser Ala Arg Arg Lys Leu Leu Val Phe Leu
             20                  25                  30
Leu Asp Gly Phe Arg Ser Asp Tyr Ile Ser Asp Glu Ala Leu Glu
             35                  40                  45
Ser Leu Pro Gly Phe Lys Glu Ile Val Ser Arg Gly Val Lys Val
             50                  55                  60
Asp Tyr Leu Thr Pro Asp Phe Pro Ser Leu Ser Tyr Pro Asn Tyr
             65                  70                  75
Tyr Thr Leu Met Thr Gly Arg His Cys Glu Val His Gln Met Ile
             80                  85                  90
Gly Asn Tyr Met Trp Asp Pro Thr Thr Asn Lys Ser Phe Asp Ile
             95                 100                 105
Gly Val Asn Lys Asp Ser Leu Met Pro Leu Trp Trp Asn Gly Ser
            110                 115                 120
Glu Pro Leu Trp Val Thr Leu Thr Lys Ala Lys Arg Lys Val Tyr
            125                 130                 135
Met Tyr Tyr Trp Pro Gly Cys Glu Val Glu Ile Leu Gly Val Arg
            140                 145                 150
Pro Thr Tyr Cys Leu Glu Tyr Lys Asn Val Pro Thr Asp Ile Asn
            155                 160                 165
Phe Ala Asn Ala Val Ser Asp Ala Leu Asp Ser Phe Lys Ser Gly
            170                 175                 180
Arg Ala Asp Leu Ala Ala Ile Tyr His Glu Arg Ile Asp Val Glu
            185                 190                 195
Gly His His Tyr Gly Pro Ala Ser Pro Gln Arg Lys Asp Ala Leu
            200                 205                 210
Lys Ala Val Asp Thr Val Leu Lys Tyr Met Thr Lys Trp Ile Gln
            215                 220                 225
Glu Arg Gly Leu Gln Asp Arg Leu Asn Val Ile Ile Phe Ser Asp
            230                 235                 240
His Gly Met Thr Asp Ile Phe Trp Met Asp Lys Val Ile Glu Leu
            245                 250                 255
Asn Lys Tyr Ile Ser Leu Asn Asp Leu Gln Gln Val Lys Asp Arg
            260                 265                 270
Gly Pro Val Val Ser Leu Trp Pro Ala Pro Gly Lys His Ser Glu
            275                 280                 285
Ile Tyr Asn Lys Leu Ser Thr Val Glu His Met Thr Val Tyr Glu
            290                 295                 300
Lys Glu Ala Ile Pro Ser Arg Phe Tyr Tyr Lys Lys Gly Lys Phe
            305                 310                 315
Val Ser Pro Leu Thr Leu Val Ala Asp Glu Gly Trp Phe Ile Thr
            320                 325                 330
Glu Asn Arg Glu Met Leu Pro Phe Trp Met Asn Ser Thr Gly Arg
            335                 340                 345
Arg Glu Gly Trp Gln Arg Gly Trp His Gly Tyr Asp Asn Glu Leu
            350                 355                 360
Met Asp Met Arg Gly Ile Phe Leu Thr Leu Gly Pro Gly Arg Arg
            365                 370                 375
Gly Asn Asp Gln Met Leu Ser Asp Pro Ile Pro Lys Glu Val Ser
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                380                 385                 390
Leu Arg Gly Pro Thr Gly Ala Arg Arg Gly Cys Arg Asp Phe Leu
                395                 400                 405
Thr Asp Pro Leu Tyr Glu Pro Ser Arg Ala Asn Pro Ala Gly Leu
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Trp Gln Met
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agaccagaag tcaacaacag gagggtggag aggccgggtc tcacaatccg cttggctggg 240
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gtggcggcgg tggctactcc agttatggca actccgacaa cacgcacgga agaggggct 660
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cactgctggg agcagcagcc agttatttca aactaaacaa taggagaaat tgtttcagga 840
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<220> -
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gttttcgctc agactacatc agtgatgagg cgctggagtc attgcctggt ttcaaagaga 240
ttgtgagcag gggagtaaaa gtggattact tgactccaga cttccctagt ctctcgtatc 300
ccaattatta taccctaatg actggccgcc attgtgaagt ccatcagatg atcgggaact 360
acatgtggga ccccaccacc aacaagtcct ttgacattgg cgtcaacaaa gacagcctaa 420
tgcctctctg gtggaatgga tcagaacctc tgtgggtcac tctgaccaag gccaaaagga 480
aggtctacat gtactactgg ccaggctgtg aggttgagat tctgggtgtc agacccacct 540
actgcctaga atataaaaat gtcccaacgg atatcaattt tgccaatgca gtcagcgatg 600
ctcttgactc cttcaagagt ggccgggccg acctggcagc catataccat gagcgcattg 660
acgtggaagg ccaccactac gggcctgcat ctccgcagag gaaagatgcc ctcaaggctg 720

tagacactgt cctgaagtac atgaccaagt ggatccagga gcggggcctg caggaccgcc 780
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ttgtgagcct ttggccggcc cctgggaaac actctgagat atataacaaa ctgagcacag 960
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Leu Met His Ala Arg Gly Gln Arg Asp Phe Asp Leu Ala Asp Ala
20 25 30
Leu Asp Asp Pro Glu Pro Thr Lys Lys Pro Asn Ser Asp Ile Tyr
35 40 45
Pro Lys Pro Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp
50 55 60
Ser Gly Gly Asn Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro
65 70 75
Gln Pro Gly Asn Ser Gly Asn Ser Gly Gly Tyr Phe Asn Asp Val
80 85 90
Asp Arg Asp Asp Gly Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro
95 100 105
Pro Ala Gly Gly Gly Gly Gly Gly Tyr Ser Ser Tyr Gly Asn Ser
110 115 120
Asp Asn Thr His Gly Gly Asp His His Ser Thr Tyr Gly Asn Pro
125 130 135
Glu Gly Asn Met Val Ala Lys Ile Val Ser Pro Ile Val Ser Val
140 145 150
Val Val Val Thr Leu Leu Gly Ala Ala Ala Ser Tyr Phe Lys Leu
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Asn Asn Arg Arg Asn Cys Phe Arg Thr His Glu Pro Glu Asn Val
170 175 180

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<212> PRT
<213> Homo sapiens

<220> -
<223> g189650

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Thr Ala Lys Asp Pro Asn Thr Tyr Lys Val Leu Ser Leu Val Leu

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Ser Val Cys Val Leu Thr Thr Ile Leu Gly Cys Ile Phe Gly Leu
                  35                  40                  45
Lys Pro Ser Cys Ala Lys Glu Val Lys Ser Cys Lys Gly Arg Cys
                  50                  55                  60
Phe Glu Arg Thr Phe Gly Asn Cys Arg Cys Asp Ala Ala Cys Val
                  65                  70                  75
Glu Leu Gly Asn Cys Cys Leu Asp Tyr Gln Glu Thr Cys Ile Glu
                  80                  85                  90
Pro Glu His Ile Trp Thr Cys Asn Lys Phe Arg Cys Gly Glu Lys
                  95                 100                 105
Arg Leu Thr Arg Ser Leu Cys Ala Cys Ser Asp Asp Cys Lys Asp
                 110                 115                 120
Lys Gly Asp Cys Cys Ile Asn Tyr Ser Ser Val Cys Gln Gly Glu
                 125                 130                 135
Lys Ser Trp Val Glu Glu Pro Cys Glu Ser Ile Asn Glu Pro Gln
                 140                 145                 150
Cys Pro Ala Gly Phe Glu Thr Pro Pro Thr Leu Leu Phe Ser Leu
                 155                 160                 165
Asp Gly Phe Arg Ala Glu Tyr Leu His Thr Trp Gly Gly Leu Leu
                 170                 175                 180
Pro Val Ile Ser Lys Leu Lys Lys Cys Gly Thr Tyr Thr Lys Asn
                 185                 190                 195
Met Arg Pro Val Tyr Pro Thr Lys Thr Phe Pro Asn His Tyr Ser
                 200                 205                 210
Ile Val Thr Gly Leu Tyr Pro Glu Ser His Gly Ile Ile Asp Asn
                 215                 220                 225
Lys Met Tyr Asp Pro Lys Met Asn Ala Ser Phe Ser Leu Lys Ser
                 230                 235                 240
Lys Glu Lys Phe Asn Pro Glu Trp Tyr Lys Gly Glu Pro Ile Trp
                 245                 250                 255
Val Thr Ala Lys Tyr Gln Gly Leu Lys Ser Gly Thr Phe Phe Trp
                 260                 265                 270
Pro Gly Ser Asp Val Glu Ile Asn Gly Ile Phe Pro Asp Ile Tyr
                 275                 280                 285
Lys Met Tyr Asn Gly Ser Val Pro Phe Glu Glu Arg Ile Leu Ala
                 290                 295                 300
Val Leu Gln Trp Leu Gln Leu Pro Lys Asp Glu Arg Pro His Phe
                 305                 310                 315
Tyr Thr Leu Tyr Leu Glu Glu Pro Asp Ser Ser Gly His Ser Tyr
                 320                 325                 330
Gly Pro Val Ser Ser Glu Val Ile Lys Ala Leu Gln Arg Val Asp
                 335                 340                 345
Gly Met Val Gly Met Leu Met Asp Gly Leu Lys Glu Leu Asn Leu
                 350                 355                 360
His Arg Cys Leu Asn Leu Ile Leu Ile Ser Asp His Gly Met Glu
                 365                 370                 375
Gln Gly Ser Cys Lys Lys Tyr Ile Tyr Leu Asn Lys Tyr Leu Gly
                 380                 385                 390
Asp Val Lys Asn Ile Lys Val Ile Tyr Gly Pro Ala Ala Arg Leu
                 395                 400                 405
Arg Pro Ser Asp Val Pro Asp Lys Tyr Tyr Ser Phe Asn Tyr Glu
                 410                 415                 420
Gly Ile Ala Arg Asn Leu Ser Cys Arg Glu Pro Asn Gln His Phe
                 425                 430                 435
Lys Pro Tyr Leu Lys His Phe Leu Pro Lys Arg Leu His Phe Ala
                 440                 445                 450
Lys Ser Asp Arg Ile Glu Pro Leu Thr Phe Tyr Leu Asp Pro Gln
                 455                 460                 465
Trp Gln Leu Ala Leu Asn Pro Ser Glu Arg Lys Tyr Cys Gly Ser
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                470                 475                 480
Gly Phe His Gly Ser Asp Asn Val Phe Ser Asn Met Gln Ala Leu
                485                 490                 495
Phe Val Gly Tyr Gly Pro Gly Phe Lys His Gly Ile Glu Ala Asp
                500                 505                 510
Thr Phe Glu Asn Ile Glu Val Tyr Asn Leu Met Cys Asp Leu Leu
                515                 520                 525
Asn Leu Thr Pro Ala Pro Asn Asn Gly Thr His Gly Ser Leu Asn
                530                 535                 540
His Leu Leu Lys Asn Pro Val Tyr Thr Pro Lys His Pro Lys Glu
                545                 550                 555
Val His Pro Leu Val Gln Cys Pro Phe Thr Arg Asn Pro Arg Asp
                560                 565                 570
Asn Leu Gly Cys Ser Cys Asn Pro Ser Ile Leu Pro Ile Glu Asp
                575                 580                 585
Phe Gln Thr Gln Phe Asn Leu Thr Val Ala Glu Glu Lys Ile Ile
                590                 595                 600
Lys His Glu Thr Leu Pro Tyr Gly Arg Pro Arg Val Leu Gln Lys
                605                 610                 615
Glu Asn Thr Ile Cys Leu Leu Ser Gln His Gln Phe Met Ser Gly
                620                 625                 630
Tyr Ser Gln Asp Ile Leu Met Pro Leu Trp Thr Ser Tyr Thr Val
                635                 640                 645
Asp Arg Asn Asp Ser Phe Ser Thr Glu Asp Phe Ser Asn Cys Leu
                650                 655                 660
Tyr Gln Asp Phe Arg Ile Pro Leu Ser Pro Val His Lys Cys Ser
                665                 670                 675
Phe Tyr Lys Asn Asn Thr Lys Val Ser Tyr Gly Phe Leu Ser Pro
                680                 685                 690
Pro Gln Leu Asn Lys Asn Ser Ser Gly Ile Tyr Ser Glu Ala Leu
                695                 700                 705
Leu Thr Thr Asn Ile Val Pro Met Tyr Gln Ser Phe Gln Val Ile
                710                 715                 720
Trp Arg Tyr Phe His Asp Thr Leu Leu Arg Lys Tyr Ala Glu Glu
                725                 730                 735
Arg Asn Gly Val Asn Val Val Ser Gly Pro Val Phe Asp Phe Asp
                740                 745                 750
Tyr Asp Gly Arg Cys Asp Ser Leu Glu Asn Leu Arg Gln Lys Arg
                755                 760                 765
Arg Val Ile Arg Asn Gln Glu Ile Leu Ile Pro Thr His Phe Phe
                770                 775                 780
Ile Val Leu Thr Ser Cys Lys Asp Thr Ser Gln Thr Pro Leu His
                785                 790                 795
Cys Glu Asn Leu Asp Thr Leu Ala Phe Ile Leu Pro His Arg Thr
                800                 805                 810
Asp Asn Ser Glu Ser Cys Val His Gly Lys His Asp Ser Ser Trp
                815                 820                 825
Val Glu Glu Leu Leu Met Leu His Arg Ala Arg Ile Thr Asp Val
                830                 835                 840
Glu His Ile Thr Gly Leu Ser Phe Tyr Gln Gln Arg Lys Glu Pro
                845                 850                 855
Val Ser Asp Ile Leu Lys Leu Lys Thr His Leu Pro Thr Phe Ser
                860                 865                 870
Gln Glu Asp
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